

Puffer's Pond 2020 - Scenarios Matrix

Scenarios					
Items	Non-contingent	Maximum Conservation	Mostly Conservation	Current Levels	Mostly Recreation
Beavers	manage population	wrap trees	wrap trees and plant deterrent vegetation	wrap trees, plant deterrent vegetation, and trap beavers	wrap trees, plant deterrent vegetation, and trap beavers
Dredge		No. Significant eutrophication occurs causing the Pond to become a wetland over time, beaches eventually disappear and would require no further maintenance.	Yes. Install and maintain silt trap.	Yes. Install and maintain silt trap. Clean spit.	Yes. Maximum amount of dredging. Install and maintain silt trap. Clean spit.
Perimeter Trail and Lester Trail	remove illegal trails control access control erosion repair/reroute current trail	redirect trail in most fragile areas, natural barriers, native vegetation, sparsely posted informational signage	redirect trail in most fragile areas, natural looking fencing and natural barriers, native vegetation, informational signage	natural looking fencing, native vegetation, highly visible informational signage	natural looking fencing on wider trails, native vegetation, highly visible informational signage
Shoreline	replant stripped areas erosion control designate non-beach/trail	Plant native vegetation along eroded shoreline. Non-beach access should be clearly designated with signage, and areas where access is not encouraged should be blocked by natural looking fencing or natural barriers.	Plant native vegetation along eroded shoreline. Non-beach access should be clearly designated with signage, and areas where access is not encouraged should be blocked by natural looking fencing or natural barriers.	Focus on replacing the vegetation lost due to beaver and human activity.	Focus on replacing the vegetation lost due to beaver and human activity, but allow an increased number of access points to the Pond.
Parking	Formalized parking Sediment controls	Approximate number of Parking Spaces ~20 Add stormceptors along State St.	Approximate number of Parking Spaces ~60 Add stormceptors along State St.	Approximate number of Parking Spaces ~100 Add stormceptors along State St.	Approximate number of Parking Spaces ~120 Add stormceptors along State St.

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Parking, con'td		Limit parking to one area. Reduce nearby parking.	More controlled and formalized North beach parking.	More controlled and formalized North beach parking.	Expand North Beach parking Mill Street bridge made one-way, with a designated path for pedestrians on existing roadway.
State Street	Fix current parking State St. one way, at least	Block off State St. to vehicular traffic altogether. Roadway becomes a biking and walking throughway. Add parking at the upper end of State St. (Maintain pavement where vehicular access will support conservation.)	Block off State St. to vehicular traffic seasonally or year round. Roadway becomes a biking and walking throughway. Add formalized parking at the upper end of State St. Users should be able to easily locate access points and trails from State St.	Make State St. one way with entry from Sand Hill Road Establish a bicycle and pedestrian throughway on North side of roadway. No parking from Sand Hill Road to the bridge. Formalize upper State St. parking Widen Sand Hill Road for pedestrian traffic Formalize a drop-off area for South Beach.	Make State St. one way with entry from Sand Hill Road Establish a bicycle and pedestrian throughway on North side of roadway. Parallel parking moved to the North Side. Formalize upper State St. parking. Establish pedestrian access on roadway. Widen Sand Hill Rd. for pedestrian traffic. Formalize a drop-off area for South Beach.

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Parking Fees	yes				
Bicycle access	Better bike racks				
Bus access	Explore opportunities for improving in summer				
Lifeguards	no				
South Beach	Remains as primary beach.		<p>Repair/replace degraded erosion control structures on beach.</p> <p>The edges of the trails to access beach areas should be lined with stones or wooden edging, and potentially lined with wood chips to clearly define the areas where users can access the water.</p>	<p>Create some pavement access to beach area, from formalized drop off area.</p> <p>Repair/replace degraded erosion control structures on beach.</p> <p>Replace sand in areas where sand has been lost.</p>	<p>Develop beach area.</p> <p>Create pavement access to beach area, from formalized drop off area.</p> <p>Repair/replace degraded erosion control structures on beach.</p> <p>Replace sand in areas where sand has been lost.</p>
North Beach			Repair/replace degraded erosion control structures on beach.	Repair/replace degraded erosion control structures on beach.	Develop beach area.

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North Beach, cont'd			The edges of the trails to access beach areas should be lined with stones or wooden edging, and potentially lined with wood chips to clearly define the areas where users can access the water.	Restore beach area, make it more attractive. The edges of the trails to access beach areas should be lined with stones or wooden edging, and potentially lined with wood chips to clearly define the areas where users can access the water.	Locate/replace sand in areas where sand has been lost. Create pavement access to beach area, from formalized drop off area.
Dam Safety	Install buoys				
Bathrooms	Yes.	Continue use of porta-potties and maintain them more frequently.	Continue use of porta-potties and maintain them more frequently.	Porta-potties larger and cleaner, relocated to parking areas	Build a permanent restroom (potentially a composting toilet) in the North Beach area, and remove the porta-potties from both beach areas.
Trash/ recycling bins	yes	Remove trash and recycling bins from beach and field areas.	Strategically place trash/recycling bins in high use areas, especially near parking lots.	Strategically place trash/recycling bins in high use areas, especially near parking lots.	Strategically place trash/recycling bins in high use areas, especially near parking lots.
Picnicking	No formalized picnic areas				

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Commercial enterprises	Need permission from the Conservation Department.				
Invasive Species	yes	Strong effort to remove invasives	Effort to remove invasives	Effort to remove invasives	Effort to remove invasives
Regulation Enforcement	yes	Enforce rules by staffing trails.			
General Maintenance	yes				